

AMENDMENTS

Please amend the application as indicated hereafter.

To the Claims:

Claims 1-15 (cancelled)

Claim 16 (original) A positioning method for directly positioning a load port and a transport system, comprising:

- (a) disposing a positioning board on the load port, the positioning board having two holes thereon;
- (b) disposing a signal emitting unit on the transport system, wherein the signal emitting unit has two positioning points thereon capable of emitting two light beams to the positioning board, and positions of the two positioning points correspond to positions of the two holes;
- (c) setting the positioning board to be horizontal;
- (d) making the signal emitting unit emit two light beams to the positioning board, wherein the two light beams are set to be perpendicular to a surface of the positioning board;
- (e) obtaining a translational deviation and a rotational deviation of the load port based on positions of two light spots on the positioning board generated from the two light beams relative to the two holes; and

(f) adjusting the load port according to the translational deviation and the rotational deviation, until the two light beams can pass through the two holes.

Claim 17 (original) The method of claim 16, wherein the step of setting the positioning board to be horizontal includes using a leveler to adjust the load port.

Claim 18 (original) The method of claim 16, wherein the positioning board further includes at least one beam monitoring device, the method further comprising:

(g) using the at least one beam monitoring device to monitor collimation of at least one of the two light beams passing through the two holes and adjusting a direction of the light beam according to the monitor result; and

repeating the steps (e) and (f) and then observing whether the two light beams pass through the two holes perpendicular to the positioning board or not; if the two light beams pass through the two holes perpendicular to the positioning board, the load port is aligned with the transport system; otherwise, repeating the steps (g), (e) and (f) until the two light beams can pass through the two holes perpendicular to the positioning board.

Claim 19 (original) The method of claim 18, wherein the beam monitoring device includes a light projection board and a reflecting mirror, wherein the light beam is reflected to the light projection board via the reflecting mirror.

Claim 20 (original) The method of claim 19, wherein the step of monitoring

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collimation of the light beam is based on variation of a position where the light beam is projected on the light projection board.